

# Notice of Allowability

Application No.

10/077,303

Examiner

Naheed Ejaz

Applicant(s)

OGURA, HIDESHIGE

Art Unit

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 15 August 2005.
2. ☒ The allowed claim(s) is/are 2-5, renumbered as 1-4.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 09/13/2005.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other Ex.Amdt. to Drawing.

TESE/DET. OGURA  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the drawings:

Figure 2 (a) and Figure 2 (b) labeled as "Prior Art".

Remarks:

The above Examiner's amendment was made to label the drawings, figure 2(a) and figure 2(b) as 'Prior Art'.

2. The following is an examiner's statement of reasons for allowance:  
the claimed subject matter is allowable because the arts of record fail to teach or fairly suggest the claimed receiver of claim 5 which includes demodulation means, first and second de-emphasis circuits and a expander:  
wherein 'the receiver including demodulation means, a first de-emphasis circuit, expander circuit and a second de-emphasis circuit, the expander circuit having a variable gain amplifier, the expander circuit connected to an output of the demodulation means, the first de-emphasis circuit connected to the output of the demodulation means and de-emphasizing the output signal of the demodulation means in high frequencies, the second de-emphasis circuit connected to an output of the expander circuit and de-emphasizing the output signal of the expander at high frequencies', and 'the first de-emphasis circuit disposed in the receiver and connected to the output of the demodulator in parallel with the expander circuit, an output of the first de-emphasis circuit connected to the

rectifier circuit, the first de-emphasis circuit de-emphasizing the output signal of the demodulation means in -6dB in both the gain and the high frequencies; and the second de-emphasis circuit de-emphasizing the output signal of the expander circuit in -6dB in both the gain and the high frequencies; the output signal of the first de-emphasis circuit controlling a gain of the variable gain amplifier'.

When used in combination with the following components as claimed by the applicant:

- transmitter
- pre-emphasis circuit
- compressor
- rectifier circuit
- gain amplifier

Hence claim 5 is allowable.

Claims 2-4 are allowable as being dependent from an allowable independent claim.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.  
  
-Thomson et al. (6,038,430) disclose method and apparatus for improving transmission of data in a wireless network by using compressor, de-emphasis, expander and pre-emphasis circuits.  
  
-Eastmond et al. (5,226,178) disclose compatible noise reduction system by using compressor, expander, gain normalization, pre-emphasis, and de-emphasis circuits.

***Contact Information***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naheed Ejaz whose telephone number is 571-272-5947. The examiner can normally be reached on Monday - Friday 8:00 - 4:30.
6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Naheed Ejaz  
Examiner  
Art Unit 2631

9/13/2005

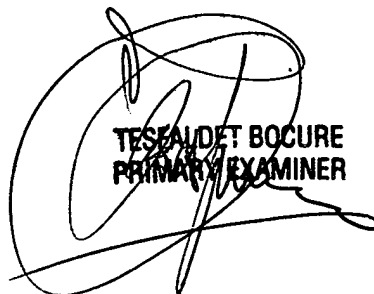
  
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PRIMARY EXAMINER

FIG. 1

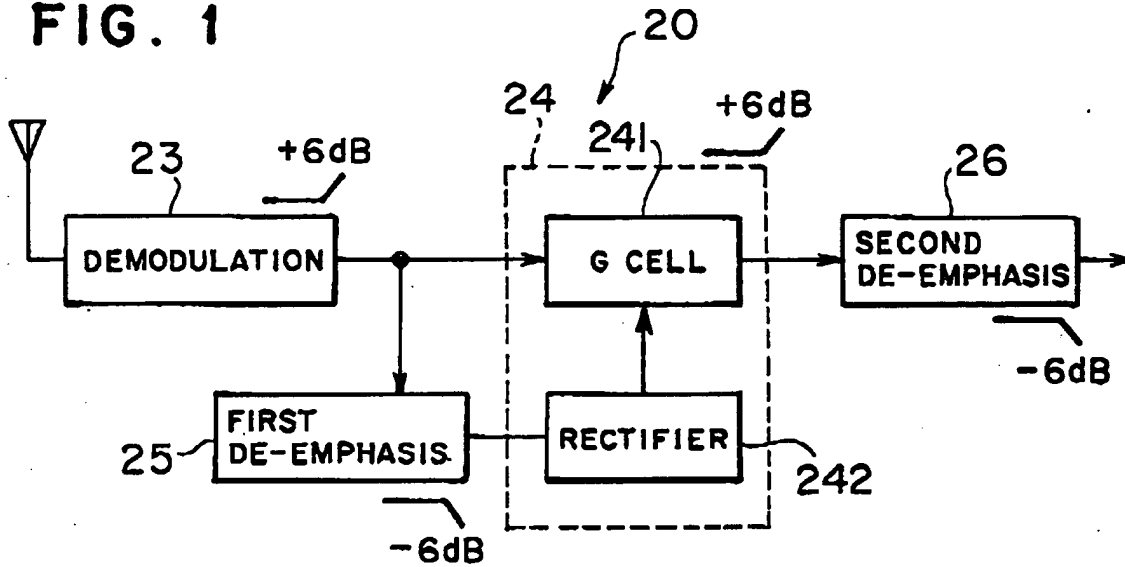
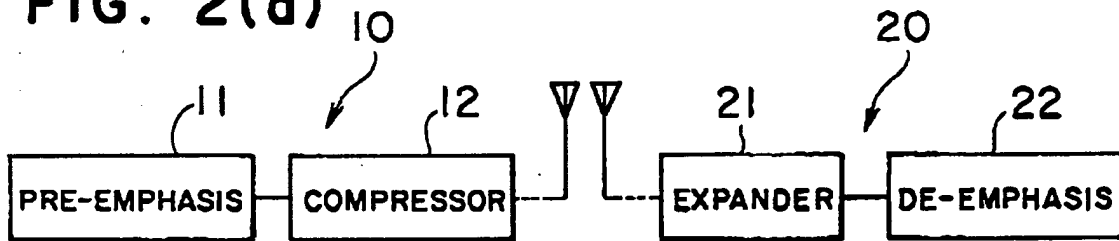
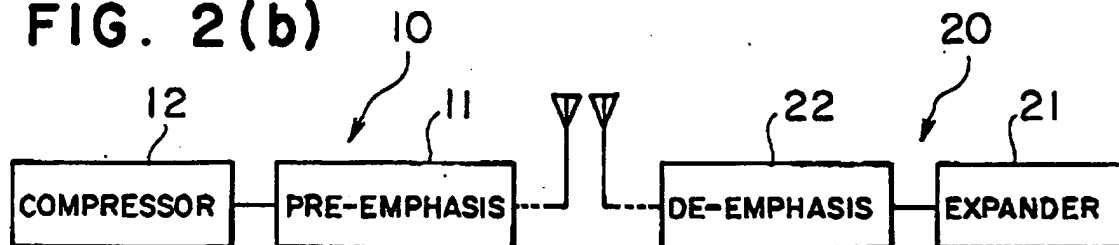


FIG. 2(a)



"PRIOR ART"

FIG. 2(b)



"PRIOR ART"

20520" EOE/200T

N.E.  
09/13/2005